

**Appln No. 10/037,814**

**Amdt date September 3, 2004**

**Reply to Office action of March 5, 2004**

**REMARKS/ARGUMENTS**

The above amendments and these remarks are in response to the Office action mailed on March 5, 2004. Claims 1, 4, 6, 7, 8, 9, 19, and 22 have been amended for clarity. Claims 29-31 have been added. Claims 5, 23, 24, 26 and 28 have been canceled. Claims 1-4, 6-12, 19-22, 25, 27 and 29-31 are now pending in this application. Reconsideration on the basis of the above amendments and remarks below is kindly requested.

The undersigned attorney wishes to thank the Examiner for the telephonic interview on August 31, 2004 wherein the rejections to the claims were discussed.

The Examiner rejected claims 1-3 under 35 U.S.C. § 103(a) as being unpatentable over Bryant, U.S. Patent No. 3,324,233 in view of Olsson, U.S. Patent No. 5,808,239. The Examiner also rejected claims 4-12 and 19-28 under 35 U.S.C. § 103(a) as being unpatentable over Bryant in view of Olsson as applied to claim 1 and further in view of Saito et al., U.S. Patent No. 4,770,489. Claim 1 is directed to an electric current carrying conductor for long distance transmission of electrical current having a plurality of component core members which are "generally polygonally shaped in cross-section and when abutted together define a generally solid cylindrically shaped core . . . , said core being of sufficient cross-sectional size to support the tensile loading on the conductor when the conductor is suspended between support towers." Claim 7 is directed to a method producing a long distance transmission current carrying conductor, comprising bringing a plurality of individual reinforced composite core sections together to "form a generally

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cylindrically shaped conductor solid core". Claim 19 is directed to an electrical current carrying conductor for long distance transmission of electrical current comprising a central load carrying core "formed from a plurality of generally cylindrically arranged component core members which abut together and which are each generally polygonally shaped in cross-section such that when abutted form a generally cylindrically shaped core . . . ; a central bore extending axially through said core, . . . and a fiber optic cable extending through the central bore . . . wherein the abutting component core members and the fiber optic cable define a cylindrical solid core."

Neither of the three references cited by the Examiner disclose a current carrying conductor for long distance transmission as required by the claims. Furthermore, neither of the three references cited by the Examiner disclose a central core which is formed by a plurality of abutting component core members which are generally polygonally shaped in cross-section and which are abutted together to define a generally solid cylindrically shaped core as required by claims 1 and 7, nor do they disclose a cylindrical solid core which is defined by a plurality of abutting core members each of which has a generally polygonally shaped cross-section and a fiber optic cable. As such, applicant submits that Bryant, Olsson and Saito, alone or in combination, do not render claims 1, 7 and 19 unpatentable.

Claims 2-4 and 6 are dependent from claim 1. Claims 8-12 are directly or indirectly dependent from claim 7. Claims 20-22 and 27 are directly or indirectly dependent from claim 19.

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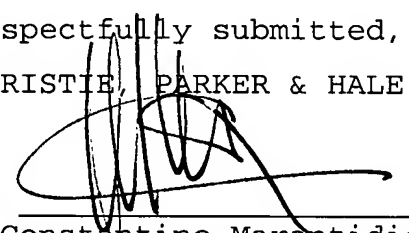
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Claim 25 is indirectly dependent from claim 1. Claims 1, 7 and 19 are now believed to be in condition for allowance over Bryant, Olsson and Saito. As such, applicant submits that claims 2-4, 6, 8-12, 20-22, 25 and 27 are also in condition for allowance over these references as being dependent from base claims allowable over these references and for the additional limitations they contain therein.

Claims 29-31 have been added and are directed to subject matter disclosed in the application as originally filed. No new matter has been added. Claim 29 is dependent from claim 1. Claim 30 is dependent from claim 7. Claim 31 is dependent from claim 19. As such, applicant submits that claims 29-31 are also in condition for allowance as being dependent from allowable base claims and for the additional limitations they contain therein.

The rejections and objections to all claims pending in this application are believed to have been overcome, and this application should now be in condition for allowance. Should the Examiner have any remaining questions or concerns about the allowability of this application, the Examiner is kindly requested to call the undersigned attorney to discuss them.

Respectfully submitted,  
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